```
Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  AUG 15  CAOLD to be discontinued on December 31, 2008
 NEWS  3  OCT 07  EPFULL enhanced with full implementation of EPC2000
 NEWS  4  OCT 07  Multiple databases enhanced for more flexible patent
                  number searching
 NEWS  5  OCT 22  Current-awareness alert (SDI) setup and editing
                  enhanced
 NEWS  6  OCT 22  WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                  Applications
 NEWS  7  OCT 24  CHEMLIST enhanced with intermediate list of
                  pre-registered REACH substances
 NEWS  8  NOV 21  CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS  9  NOV 26  MARPAT enhanced with FSORT command
 NEWS 10  NOV 26  MEDLINE year-end processing temporarily halts
                  availability of new fully-indexed citations
 NEWS 11  NOV 26  CHEMSAFE now available on STN Easy
 NEWS 12  NOV 26  Two new SET commands increase convenience of STN
                  searching
 NEWS 13  DEC 01  ChemPort single article sales feature unavailable

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:57:02 ON 10 DEC 2008

=>
=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
```

FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 07:57:17 ON 10 DEC 2008

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 8 DEC 2008 HIGHEST RN 1082116-14-0
DICTIONARY FILE UPDATES: 8 DEC 2008 HIGHEST RN 1082116-14-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

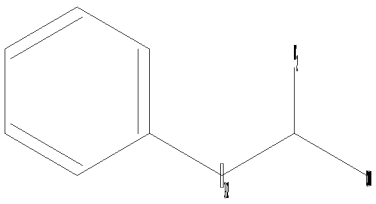
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

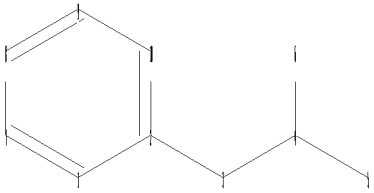
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10025947\10025947 1st stab 5thRCE.str



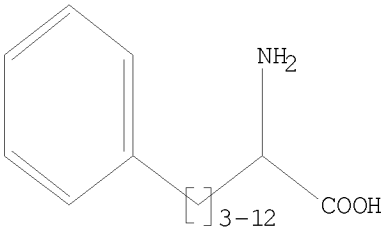


chain nodes :
3 4 5 6
ring nodes :
1 2 7 8 9 10
chain bonds :
2-3 3-4 4-5 4-6
ring bonds :
1-2 1-7 2-10 7-8 8-9 9-10
exact/norm bonds :
4-6
exact bonds :
2-3 3-4 4-5
normalized bonds :
1-2 1-7 2-10 7-8 8-9 9-10

Hydrogen count :
4:>= minimum 1
Match level :
1:Atom 2:Atom 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom 10:Atom

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 07:57:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1555 TO ITERATE

100.0% PROCESSED 1555 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.01

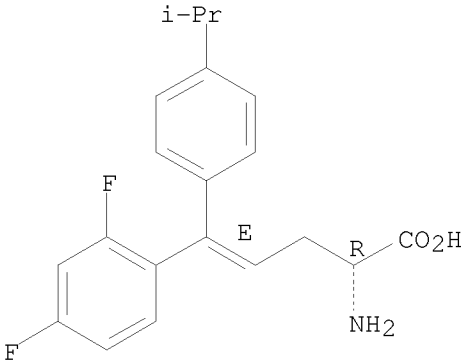
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 28735 TO 33465
PROJECTED ANSWERS: 257 TO 903

L2 29 SEA SSS SAM L1

=> d scan

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-[4-(1-methylethyl)phenyl]-, (2R,4E)-
MF C20 H21 F2 N O2
CI COM

Absolute stereochemistry.
Double bond geometry as shown.

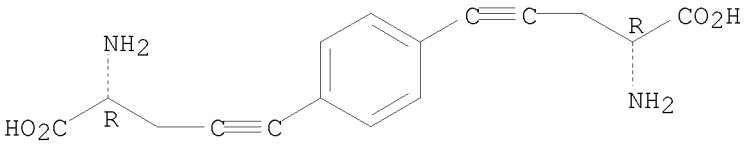


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):29

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentynoic acid, 5,5'-(1,4-phenylene)bis[2-amino-, [R-(R*,R*)]- (9CI)
MF C16 H16 N2 O4
CI COM

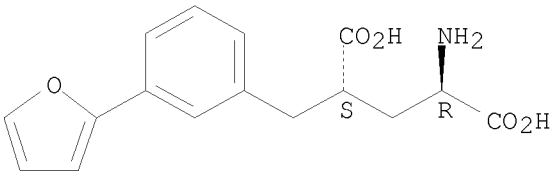
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[[3-(2-furanyl)phenyl]methyl]-, (4S)-
MF C16 H17 N O5

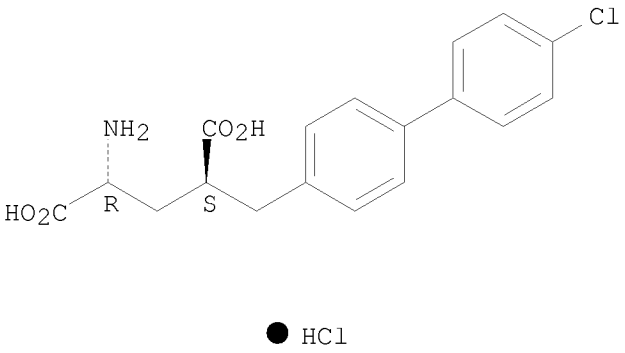
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

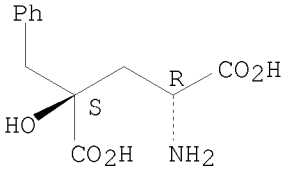
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-,
    hydrochloride, (4S)- (9CI)
MF C18 H18 Cl N O4 . Cl H

Absolute stereochemistry.



L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-hydroxy-4-(phenylmethyl)-, (4S)-
MF C12 H15 N O5

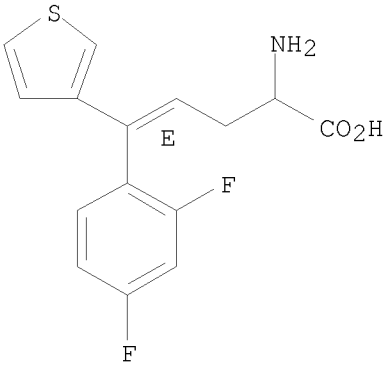
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-(3-thienyl)-, (4E)-
MF C15 H13 F2 N O2 S
CI COM

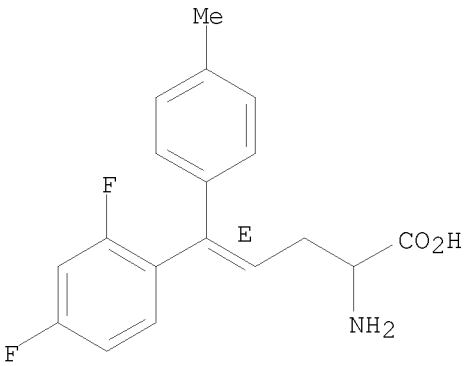
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

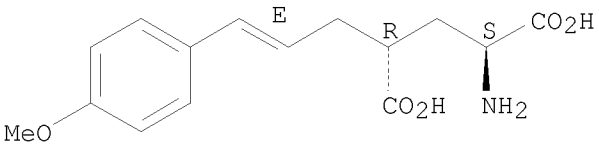
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-(4-methylphenyl)-, monosodium salt, (4E)- (9CI)
MF C18 H17 F2 N O2 . Na

Double bond geometry as shown.



L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-[(2E)-3-(4-methoxyphenyl)-2-propen-1-yl]-, (4R)-
MF C15 H19 N O5

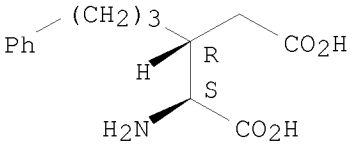
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 3-(3-phenylpropyl)-, (3R)-
MF C14 H19 N O4

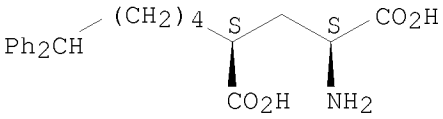
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-(5,5-diphenylpentyl)-, (4S)-
MF C22 H27 N O4
CI COM

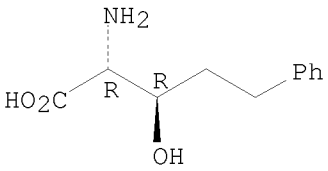
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-erythro-Pentonic acid, 2-amino-2,4,5-trideoxy-5-phenyl- (9CI)
MF C11 H15 N O3

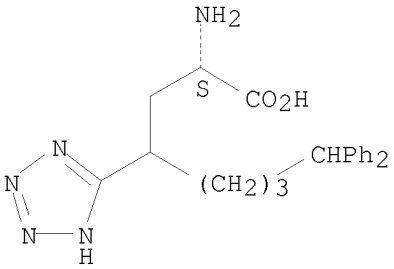
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

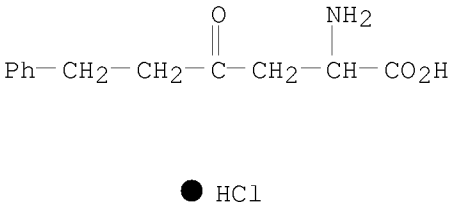
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2H-Tetrazole-5-butanoic acid, α-amino-γ-(4,4-diphenylbutyl)-, (αS)-
MF C21 H25 N5 O2

Absolute stereochemistry.



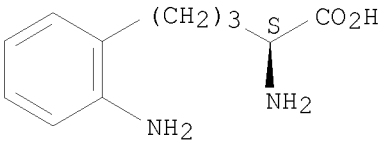
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenehexanoic acid, α-amino-γ-oxo-, hydrochloride (1:1)
MF C12 H15 N O3 . Cl H



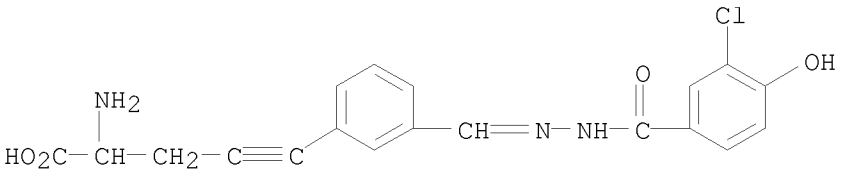
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α,2-diamino-, (S)- (9CI)
MF C11 H16 N2 O2

Absolute stereochemistry.



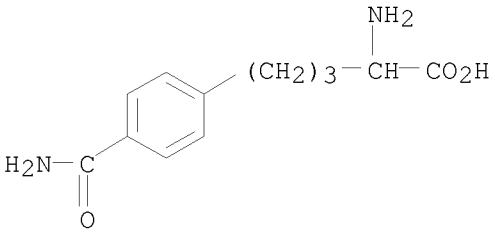
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzoic acid, 3-chloro-4-hydroxy-,
2-[[3-(4-amino-4-carboxy-1-butyn-1-yl)phenyl]methylene]hydrazide
MF C19 H16 Cl N3 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

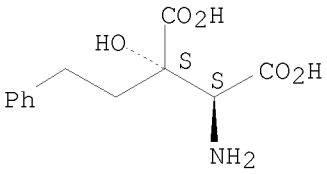
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α-amino-4-(aminocarbonyl)-
MF C12 H16 N2 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Aspartic acid, 3-hydroxy-3-(2-phenylethyl)-, hydrochloride, (3S)- (9CI)
MF C12 H15 N O5 . Cl H

Absolute stereochemistry. Rotation (+).

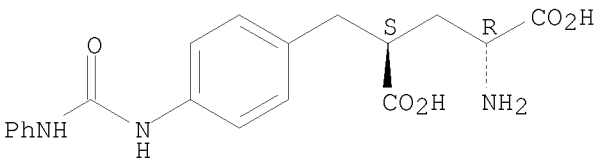


● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[[4-[[(phenylamino)carbonyl]amino]phenyl]methyl]-, monohydrochloride, (4S)- (9CI)
MF C19 H21 N3 O5 . Cl H

Absolute stereochemistry. Rotation (-).

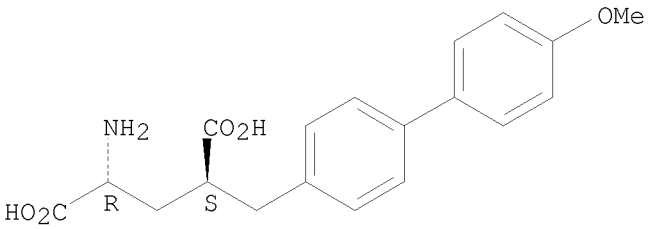


● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(4'-methoxy[1,1'-biphenyl]-4-yl)methyl]-, hydrochloride, (4S)- (9CI)
MF C19 H21 N O5 . Cl H

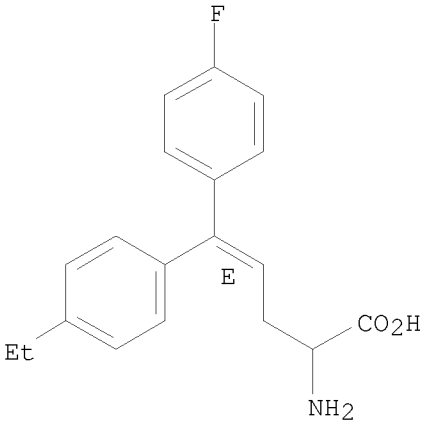
Absolute stereochemistry.



● HCl

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(4-ethylphenyl)-5-(4-fluorophenyl)-, (4E)-
MF C19 H20 F N O2
CI COM

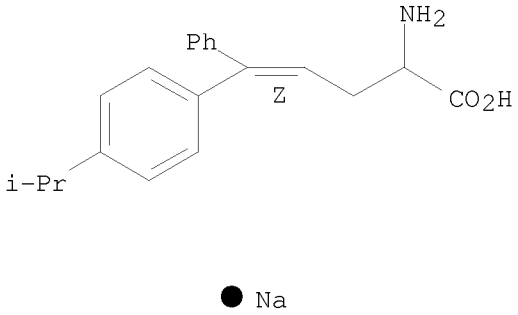
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

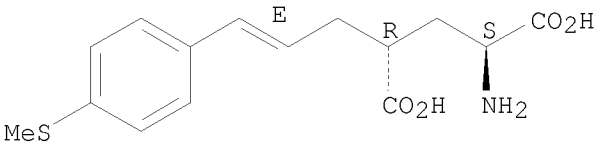
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-[4-(1-methylethyl)phenyl]-5-phenyl-, monosodium salt, (4Z)- (9CI)
MF C20 H23 N O2 . Na

Double bond geometry as shown.



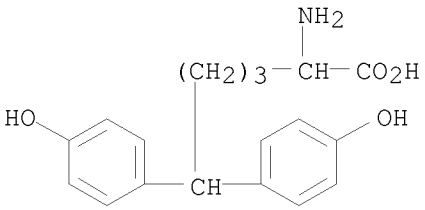
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-[(2E)-3-[4-(methylthio)phenyl]-2-propen-1-yl]-, (4R)-
MF C15 H19 N O4 S

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

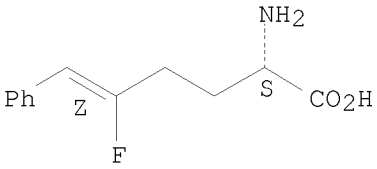
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenehexanoic acid, α-amino-4-hydroxy-ε-(4-hydroxyphenyl)-
MF C18 H21 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 5-Hexenoic acid, 2-amino-5-fluoro-6-phenyl-, (2S,5Z)-
MF C12 H14 F N O2

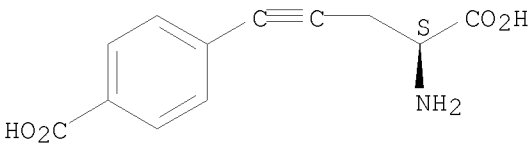
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzoic acid, 4-[(4S)-4-amino-4-carboxy-1-butyn-1-yl]-
MF C12 H11 N O4

Absolute stereochemistry.

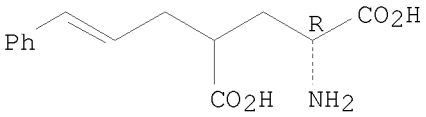


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-(3-phenyl-2-propen-1-yl)-
MF C14 H17 N O4

Absolute stereochemistry.

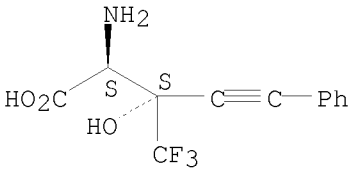
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

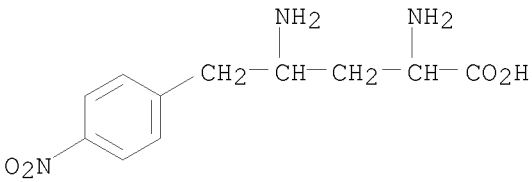
L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-erythro-Pent-4-ynonic acid, 2-amino-2,4,5-trideoxy-5-phenyl-3-C-(trifluoromethyl) (9CI)
MF C12 H10 F3 N O3

Absolute stereochemistry.



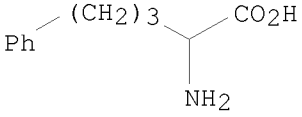
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α,γ-diamino-4-nitro-
MF C11 H15 N3 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 29 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α-amino-
MF C11 H15 N O2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l1 sss full
FULL SEARCH INITIATED 08:00:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 31532 TO ITERATE

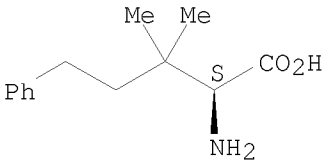
100.0% PROCESSED 31532 ITERATIONS 487 ANSWERS
SEARCH TIME: 00.00.01

L3 487 SEA SSS FUL L1

=> d scan

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α-amino-β,β-dimethyl-, (αS)-
MF C13 H19 N O2

Absolute stereochemistry.

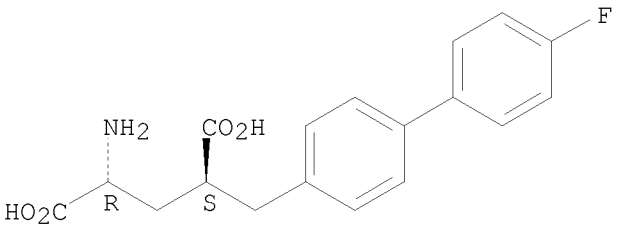


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(4'-fluoro[1,1'-biphenyl]-4-yl)methyl]-, (4S)-
MF C18 H18 F N O4
CI COM

Absolute stereochemistry.

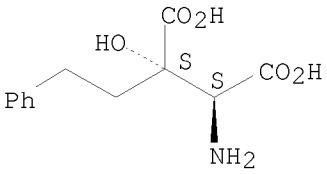


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Aspartic acid, 3-hydroxy-3-(2-phenylethyl)-, (3S)-
MF C12 H15 N O5

CI COM

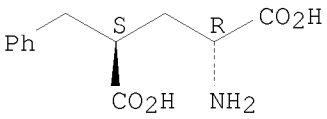
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-(phenylmethyl)-, (4S)-
MF C12 H15 N O4
CI COM

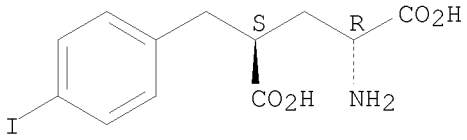
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(4-iodophenyl)methyl]-, (4S)-
MF C12 H14 I N O4

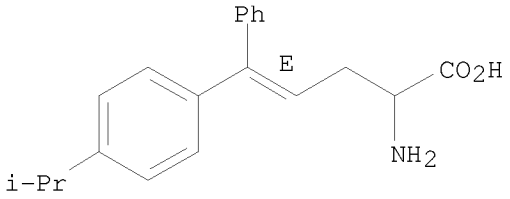
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-[4-(1-methylethyl)phenyl]-5-phenyl-, (4E)-
MF C20 H23 N O2

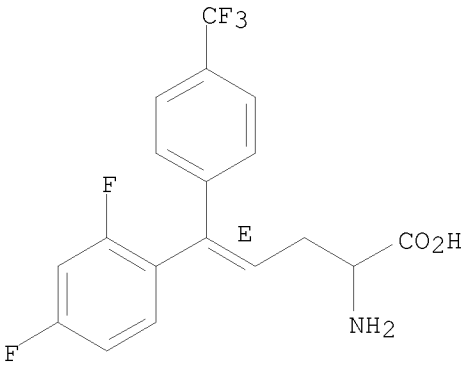
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

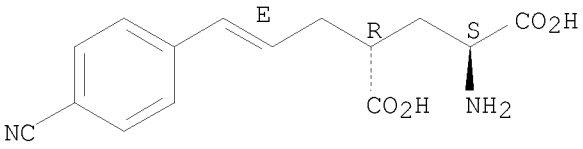
L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-[4-(trifluoromethyl)phenyl]-, monosodium salt, (4E)- (9CI)
MF C18 H14 F5 N O2 . Na

Double bond geometry as shown.



L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-[(2E)-3-(4-cyanophenyl)-2-propen-1-yl]-, (4R)-
MF C15 H16 N2 O4

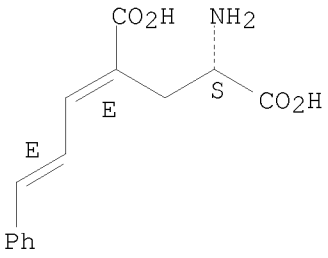
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-[(2E)-3-phenyl-2-propen-1-ylidene]-, (4E)-
MF C14 H15 N O4

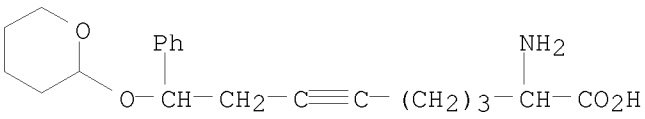
Absolute stereochemistry.
Double bond geometry as shown.



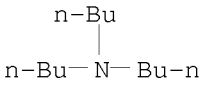
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 6-Nonynoic acid, 2-amino-9-phenyl-9-[(tetrahydro-2H-pyran-2-yl)oxy]-, compd. with N,N-dibutyl-1-butanamine (1:1)
MF C20 H27 N O4 . C12 H27 N

CM 1

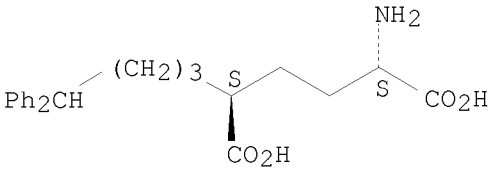


CM 2



L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Hexanedioic acid, 2-amino-5-(4,4-diphenylbutyl)-, hydrochloride, (R*,R*)- (9CI)
MF C22 H27 N O4 . Cl H

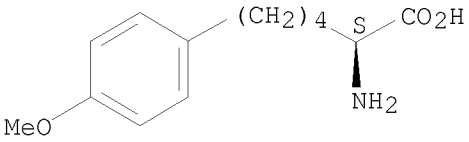
Relative stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

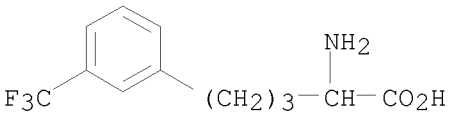
L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenehexanoic acid, α-amino-4-methoxy-, (S)- (9CI)
MF C13 H19 N O3

Absolute stereochemistry.



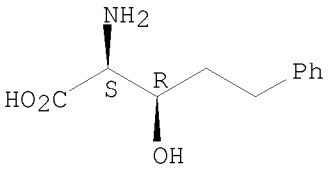
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α-amino-3-(trifluoromethyl)-, hydrochloride (1:1)
MF C12 H14 F3 N O2 . Cl H



L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-threo-Pentonic acid, 2-amino-2,4,5-trideoxy-5-phenyl-, hydrochloride (1:1)
MF C11 H15 N O3 . Cl H

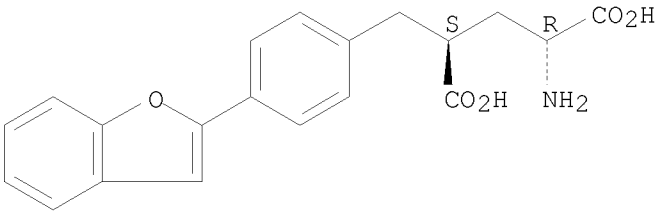
Absolute stereochemistry.



● HCl

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[[4-(2-benzofuranyl)phenyl]methyl]-, (4S)-
MF C20 H19 N O5
CI COM

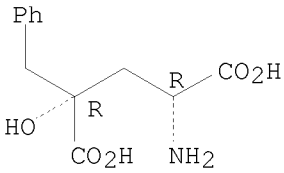
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-hydroxy-4-(phenylmethyl)-, disodium salt, (4R)- (9CI)
MF C12 H15 N O5 . 2 Na

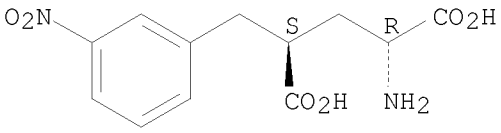
Absolute stereochemistry.



●2 Na

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(3-nitrophenyl)methyl]-, (4S)-
MF C12 H14 N2 O6

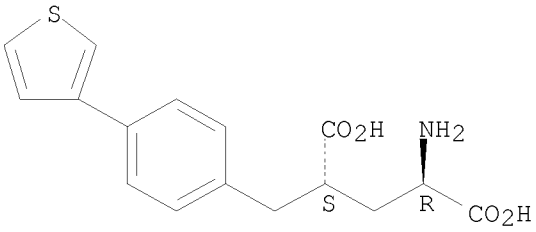
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[[4-(3-thienyl)phenyl]methyl]-, hydrochloride, (4S)-
(9CI)
MF C16 H17 N O4 S . Cl H

Absolute stereochemistry. Rotation (-).

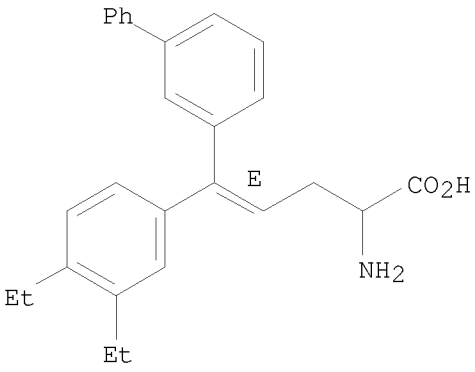


● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-[1,1'-biphenyl]-3-yl-5-(3,4-diethylphenyl)-,
(4E)-
MF C27 H29 N O2

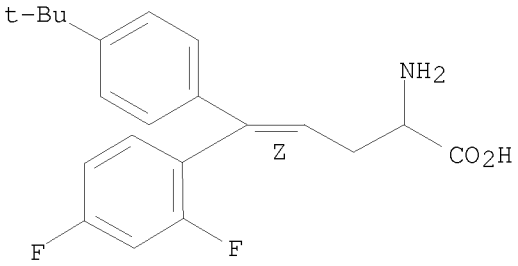
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-[4-(1,1-dimethylethyl)phenyl]-, monosodium salt, (4Z)- (9CI)
MF C21 H23 F2 N O2 . Na

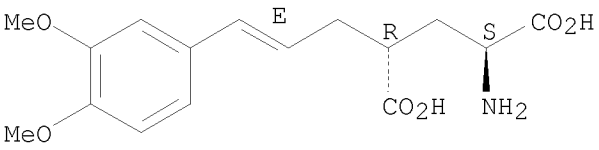
Double bond geometry as shown.



● Na

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-[(2E)-3-(3,4-dimethoxyphenyl)-2-propen-1-yl]-, (4R)-
MF C16 H21 N O6

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

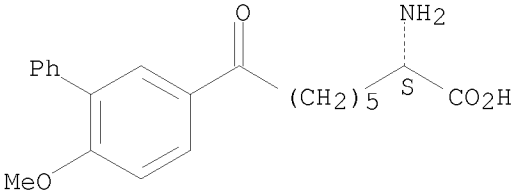


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN [1,1'-Biphenyl]-3-octanoic acid, α-amino-6-methoxy-η-oxo-, (αS)-
MF C21 H25 N O4

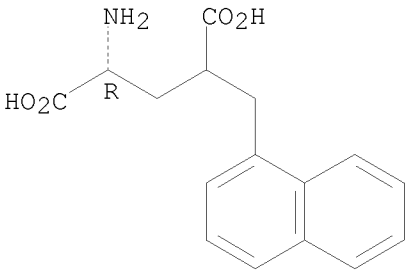
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-(1-naphthalenylmethyl)-
MF C16 H17 N O4

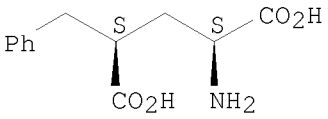
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

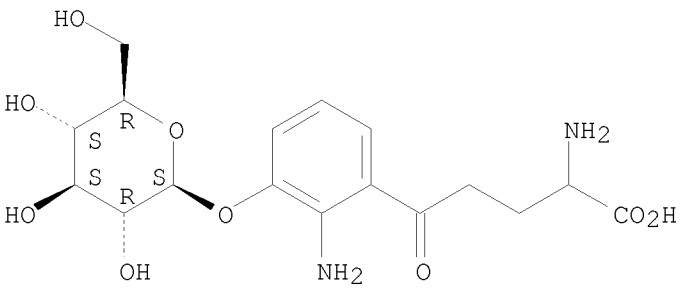
L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Glutamic acid, 4-(phenylmethyl)-, hydrochloride, threo- (9CI)
MF C12 H15 N O4 . Cl H

Absolute stereochemistry.



L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepentanoic acid, α,2-diamino-3-(β-D-glucopyranosyloxy)-δ-oxo-
MF C17 H24 N2 O9

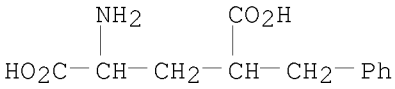
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

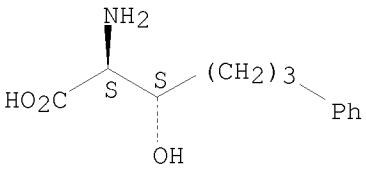
L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Glutamic acid, 4-(phenylmethyl)-, homopolymer (9CI)
MF (C12 H15 N O4)x
CI PMS

CM 1



L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenehexanoic acid, α-amino-β-hydroxy-, (αS,βS)-
MF C12 H17 N O3

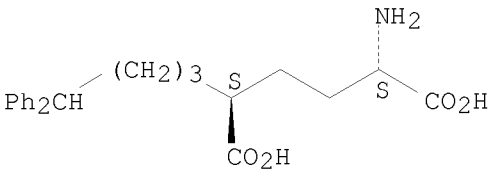
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Hexanedioic acid, 2-amino-5-(4,4-diphenylbutyl)-, (R*,R*)- (9CI)
MF C22 H27 N O4
CI COM

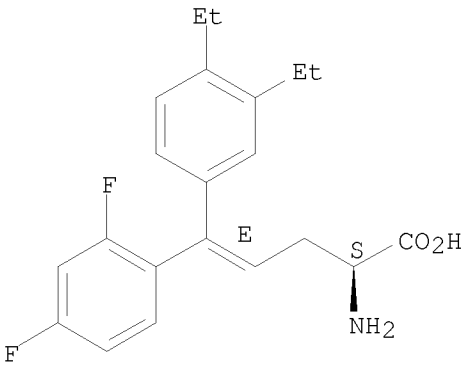
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(3,4-diethylphenyl)-5-(2,4-difluorophenyl)-, (2S,4E)-
MF C21 H23 F2 N O2
CI COM

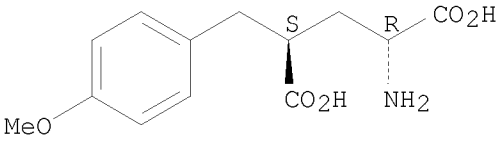
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(4-methoxyphenyl)methyl]-, (4S)-
MF C13 H17 N O5

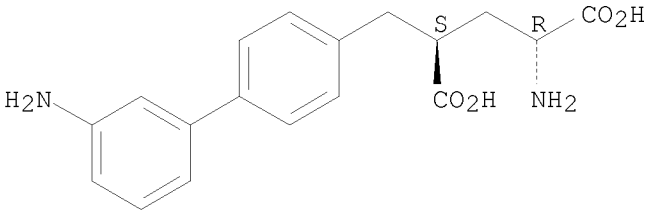
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 487 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Glutamic acid, 4-[(3'-amino[1,1'-biphenyl]-4-yl)methyl]-, hydrochloride, (4S)- (9CI)
MF C18 H20 N2 O4 . x Cl H

Absolute stereochemistry.



●x HCl

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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ANSWER SET L3 HAS BEEN SAVED AS 'AADERIVS/A'

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 181.58     181.79

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FILE COVERS 1907 - 10 Dec 2008  VOL 149 ISS 24
FILE LAST UPDATED: 9 Dec 2008  (20081209/ED)

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reclassification data for the third quarter of 2008.

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=> l3
L4         243 L3

=> ?octen?
L5       45309 ?OCTEN?

=> l4 and l5
L6           2 L4 AND L5

=> d l6 1-2 ti

L6   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of cyclic and aliphatic compounds as serine
     palmitoyltransferase modulators for treating metabolic syndrome and
     inflammation

L6   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Acetylene amino acids. I. Synthesis of C-(2-propynyl)glycine type amino
     acids


=> d l6 1-2 ti fbib abs ti

L6   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
```

TI Preparation of cyclic and aliphatic compounds as serine palmitoyltransferase modulators for treating metabolic syndrome and inflammation

AN 2008:475391 CAPLUS

DN 148:441026

TI Preparation of cyclic and aliphatic compounds as serine palmitoyltransferase modulators for treating metabolic syndrome and inflammation

IN Nestor, John

PA Forbes Medi-Tech (Research), Inc., USA

SO PCT Int. Appl., 67pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2008046071	A2	20080417	WO 2007-US81303	20071012
WO 2008046071	A3	20080821		
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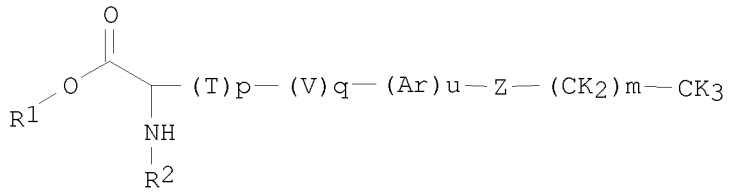
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
			US 2006-829277P	P 20061012
US 20080139455	A1	20080612	US 2007-871720	20071012
			US 2006-829277P	P 20061012

OS MARPAT 148:441026

GI



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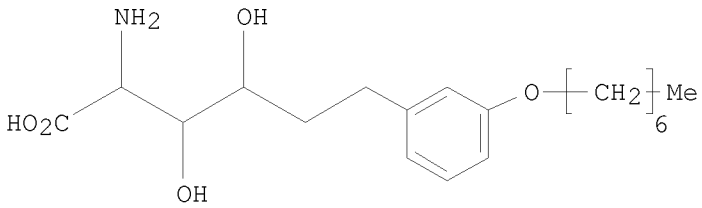

II

AB Novel compds. of general formula I (wherein R1 is H, (un)substituted lower alkyl, etc.; R2 is H, protecting group, etc.; each V and Z is independently O, S, etc.; q is 1 to 13, each K is independently H, OH,

etc.; each T is independently (CRfRg); Rf is H, lower alkyl, etc.; Rg is H, OH, etc.; each Ar is (un)substituted aryl or heteroaryl; p is 1 to 5; u = 0-2; and m is 0 to 12), compns. comprising these compds., and methods for preparing and using compds. are described herein. Methods of treating or ameliorating various conditions, including insulin resistance, pancreatic beta cell apoptosis, obesity, pro-thrombotic conditions, myocardial infarction, hypertension, dyslipidemia, manifestations of Syndrome X, congestive heart failure, inflammatory disease of the cardiovascular system, atherosclerosis, restenosis, sepsis, type 1 diabetes, liver damage, and cachexia, by administering compds. described herein. Compds. presented herein may be used to modulate serine palmitoyltransferase activity. Example compound II protected rat pancreatic islet cells in culture from added sodium palmitate.

TI Preparation of cyclic and aliphatic compounds as serine palmitoyltransferase modulators for treating metabolic syndrome and inflammation

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

TI Acetylene amino acids. I. Synthesis of C-(2-propynyl)glycine type amino acids

AN 1959:51121 CAPLUS

DN 53:51121

OREF 53:9193c-i,9194a-f

TI Acetylene amino acids. I. Synthesis of C-(2-propynyl)glycine type amino acids

AU Schlogl, K.

CS Univ. Vienna

SO Monatshefte fuer Chemie (1958), 89, 377-90
CODEN: MOCMB7; ISSN: 0026-9247

DT Journal

LA Unavailable

GI For diagram(s), see printed CA Issue.

AB cf. C.A. 52, 14579g. Mono-aminomonocarboxylic acids, RCH2CH(NH2)CO2H (I), and diaminodicarboxylic acids, R1[CH2CH(NH2)CO2H]2 (II), containing the C-(2-propynyl)glycine structure, were prepared from RCH2C(CO2R2)2NHCHO (III). The intermediate substituted formamidomalonic esters, RCH2C(CO2R2)2NHCHO (IV) and R1[CH2(CO2R2)2NHCHO]2 (V) were prepared by methods a, b, c, and d. Method a. CH(CO2R2)2NHCHO was converted in NaOR2 (R2 = Me or Et) to the corresponding Na salt and heated 2-6 hrs. with the requisite amount (1 mole or 0.5 mole) of HC.tplbond.CCH2Br or PhC.tplbond.CCH2Br until a sample diluted with H2O gave a neutral or weakly alkaline reaction, the solution evaporated and diluted with H2O, the cooled solution filtered, and the crystalline product recrystd. Oily products were taken up in Et2O, the water-washed solution dried and evaporated, and the residue crystallized from petr. ether with cooling. Method b. III (R = HC.tplbond.C, R1 = Me or Et) (0.01 mole) in 15 ml. MeOH was added to 2.5 g. Cu2Cl2 and 4.0 g. NH4Cl in 25 ml. H2O, the solution adjusted to pH 6 with a few drops of aqueous NH4OH, stirred vigorously 30 min. with dropwise introduction of 10 ml. 30% H2O2 below the surface, the mixture stirred 30 min. at room temperature in a stream of air, the mixture exhaustively extracted with AcOEt, and the dried (Na2SO4) extract evaporated in vacuo. Method c. The alkyl and alkenyl compds. were obtained by total hydrogenation with 10% Pd-C or Lindlar catalyst in alc. Method d. The alkynyl compds. shaken 1-2 hrs. in 80% HCO2H with 10% by weight H2SO4, the mixture poured into saturated aqueous (NH4)2SO4, extracted with AcOEt, the extract washed with aqueous Na2CO3, and the residue crystallized gave the oxo compds. [formamidomalonic ester. R(R1), R2, method of preparation, % yield, and m.p. (solvent) given]. Series IV: HC.tplbond.C, Me, a, 73, 95-6° (H2O); H2C:CH, Et, c, 95, 69-71° (alc.-H2O); Et, Et, a, c, 65 (a),

98-9° (alc.-H2O); Ac, Me, a, d, 40 (a), 112-15° (alc.-Et2O-petr. ether); PhC.tplbond.C, Et, a, 62, 60-2° (Et2O-petr. ether); cis-PhCH:CH, Et, c, 60, 44-6° (Et2O-petr. ether); trans-PhCH:CH (VI), Et, a, 63, 99-101° (Et2O-petr. ether); Ph(CH2)2, Et, a, c, 78 (a), 45-50° (Et2O-petr. ether); BzCH2, Et, d, 40, 221-3° (alc.). Series V: (C.tplbond.C)2, Me, b, 71, 160-1° (alc.-H2O); (C.tplbond.C)2, Et, b, 63, 143-4° (alc.-H2O); (HC:CH)2, Et, a, 80, 140-2° (alc.-H2O); (CH2)4, Me, c, 90, 185-8° (alc.); (CH2)4, Et, c, 95, 152-5° (alc.-H2O); C.tplbond.C, Et, a, 50, 111-12° (C6H6-petr. ether); cis-HC:CH, Et, c, 92, 112-14° (MeOH-H2O); (CH2)2, Et, c, 95, 149-51° (alc.); COCH2, Et, d, 60, 113-15° (MeOH-H2O). VI (1.6 g.) in 6 ml. CHCl3 treated dropwise in 15 min. with 0.8 g. Br in 5 ml. CHCl3, the mixture kept 15 min., and diluted with excess Et2O yielded 75% PhCHBrCHBrCH2C(CO2Et)2NHCHO, m. 139-41°. The alkyl- and alkynyl-substituted esters boiled 4 hrs. with 6N HCl, the excess acid evaporated in vacuo, the residue taken up in H2O and the solution evaporated in vacuo, the concentrate taken up in warm dilute HCl, and treated with saturated NaOAc gave the free amino acids. The more H2O-soluble acids were converted to the HCl salts, taken up in alc., and repptd. with C5H5N. To avoid lactonization, the alkenyl esters were saponified 5 hrs. at room temperature with the calculated amount of dilute alc. N NaOH, the solution heated 1 hr. and excess alc. evaporated, the residue brought to 2N with concentrated HCl and homogenized with AcOH, heated 30-60 min. on a steam bath, and worked up as above. The amino acids taken up in an equivalent amount of N NaOH, the solution shaken 20 min. with 10% excess PhNCO, and the filtered solution acidified gave the corresponding phenylureido derivative, converted by taking up in hot AcOH, heating 15 min. on a steam bath with an equal volume of concentrated HCl, evaporating, and recrystg. to the corresponding 3-phenylhydantoin. The amino acids were further characterized by determination of Rf values on Schleicher and Schull 2043a smooth paper by descending solvent mixts. A (4:4:1:1 BuOH-EtOH-NH4OH-H2O), B (4:4:1:3 BuOH-EtOH-NH4OH-H2O), and C (4:1:1 BuOH-AcOH-H2O) and identification with ninhydrin. Data are tabulated for I [R, % yield, m.p. (decomposition), m.p. (decomposition) of phenylureido derivative, m.p. of 3-phenylhydantoin, and Rf values in solvents A and C given]: HC.tplbond.C, 75, 235-40°, 162-4°, 128-30°, 0.27, 0.20; H2C:CH, 60, 250-5°, 159-61°, -, 0.36, 0.35; Ac, 63, 135-7°, 143-5°, -, 0.30, 0.18; PhC.tplbond.C, 79, 215-18°, 169-71°, 162-5°, 0.54, 0.57; PhCH:CH, 70, 213-15°, 168-70°, 180-4°, 0.56, 0.60; Ph(CH2)2, 75, 206-9°, 141-4°, 160-2°, 0.57, 0.64. For II [R, % yield, m.p. (decomposition), m.p. (decomposition) of bis(phenylureido) derivative, m.p. of bis(3-phenylhydantoin), and Rf values in solvents B and C given]: (C.tplbond.C)2, 87, above 300°, 213-15°, above 300°, 0.23, 0.03; (CH:CH)2, 87, above 300°, 198-200°, 212-14°, 0.23, 0.05; (CH2)2, 81, above 300°, 192-4°, 210-12°, 0.24, 0.07; C.tplbond.C, 84, above 300°, 172-5°, 296-9°, 0.22, 0.05; CH:CH, 70, above 300°, 183-6°, 209-12°, 0.20, 0.03; (CH2)2, 82, above 300°, 221-3°, 252-4°, 0.14, 0.02. Related series of hydantoins, OC.NH.CPh2.CO.NR (VII) and OC.NH.CHMe.CO.NR (VIII), were prepared VII (R = H) heated 30 min. in 100 ml. absolute alc. containing 0.46 g. Na, the solution heated 4 hrs. on a steam bath with 3.0 g. HC.tplbond.CCH2Br and concentrated to 50%

volume, diluted with 100 ml. H2O, and the solid product crystallized (alc.-H2O) yielded 86% VII (R = CH2C.tplbond.CH), m. 136-8°, hydrogenated in alc. with Pd-C or Raney Ni to VII (R = Pr), m. 144-7° (alc.-H2O), and converted by shaking with 80% HCO2H in the presence of H2SO4 to VII (R = CH2Ac), m. 190-4° (after sublimation at 140-50°/0.01 mm.). Similarly VIII (R = H) was converted through the Na salt and condensation with HC.tplbond.CCH2Br, dilution with H2O, and extraction with Et2O to 85% oily VIII (R = CH2C.tplbond.CH), b0.01 125-35°, hydrogenated smoothly to VIII (R = Pr), m. 51-3° (Et2O-petr. ether).

TI Acetylene amino acids. I. Synthesis of C-(2-propynyl)glycine type amino acids

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.38	197.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

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STRUCTURE FILE UPDATES: 8 DEC 2008 HIGHEST RN 1082116-14-0
DICTIONARY FILE UPDATES: 8 DEC 2008 HIGHEST RN 1082116-14-0

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http://www.cas.org/support/stngen/stndoc/properties.html

=> e 5,5-diphenyl-4-pentenoic acid/

E1	1	5,5,TIB2/BI
E2	1	5,5-DIMETHOXY-1-METHYL-2,6-DIOXA-1,5-DISILAHEPT-1-YLIDENE/BI
E3	0 -->	5,5-DIPHENYL-4-PENTENOIC ACID/BI
E4	2	5,5A,6,9,9A/BI
E5	2	5,50/BI
E6	7	5,50:14,19:23,46:32,37/BI
E7	17	5,50:14,19:25,30:39,44/BI
E8	4	5,50:25,30/BI
E9	2	5,51/BI
E10	1	5,51,78/BI
E11	3	5,51:7,42:9,40:11,16:20,36:22,27/BI
E12	28	5,52/BI

=> e 5,5-diphenylpentenoic acid/

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E1            1     5,5,TIB2/BI
E2            1     5,5-DIMETHOXY-1-METHYL-2,6-DIOXA-1,5-DISILAHEPT-1-YLIDENE/BI
E3            0 --> 5,5-DIPHENYLPENTENOIC ACID/BI
E4            2     5,5A,6,9,9A/BI
E5            2     5,50/BI
E6            7     5,50:14,19:23,46:32,37/BI
E7           17     5,50:14,19:25,30:39,44/BI
E8            4     5,50:25,30/BI
E9            2     5,51/BI
E10           1     5,51,78/BI
E11           3     5,51:7,42:9,40:11,16:20,36:22,27/BI
E12          28     5,52/BI

=> file caplus
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FULL ESTIMATED COST                                       0.92     198.09

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CA SUBSCRIBER PRICE                                       0.00      -1.60

FILE 'CAPLUS' ENTERED AT 08:11:39 ON 10 DEC 2008
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FILE COVERS 1907 - 10 Dec 2008  VOL 149 ISS 24
FILE LAST UPDATED: 9 Dec 2008  (20081209/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> diphenylpentenoic
L7            2 DIPHENYLPENTENOIC

=> d l7

L7   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   1986:497835  CAPLUS
DN   105:97835
OREF 105:15833a,15836a
TI   One electron carbon-carbon bond forming reactions via allylstannanes:
     scope and limitations
AU   Keck, Gary E.; Enholm, Eric J.; Yates, John B.; Wiley, Michael R.
CS   Dep. Chem., Univ. Utah Salt Lake City, Salt Lake City, UT, 84112, USA
```

SO Tetrahedron (1985), 41(19), 4079-94
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
OS CASREACT 105:97835

=> d l7 2

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1971:111773 CAPLUS
DN 74:111773
OREF 74:18101a,18104a
TI 5,5-Diphenyl-4-pentenoic acids with estrogenic activity
IN Billett, Eric H.; Miller, David
PA Beecham Group Ltd.
SO Ger. Offen., 14 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2038793	A	19710218	DE 1970-2038793	19700804
	GB 1257266	A	19711215	GB 1969-39123	19690805
	FI 52458	B	19770531	FI 1970-2105	19700730
	NL 7011407	A	19710209	NL 1970-11407	19700731
	US 3736347	A	19730529	US 1970-60729	19700803
	IL 35043	A	19740114	IL 1970-35043	19700803
	NO 135748	B	19770214	NO 1970-2993	19700803
	ZA 7005370	A	19710428	ZA 1970-5370	19700804
	FR 2068462	A5	19710827	FR 1970-28710	19700804
	FR 2068462	B1	19740201		
	AT 303709	B	19721211	AT 1970-7070	19700804
	SU 367596	A3	19730123	SU 1970-1473940	19700805
	SE 363091	B	19740107	SE 1970-10784	19700805
	CH 550131	A	19740614	CH 1970-11785	19700805
	JP 49048316	B	19741220	JP 1970-68606	19700805
	DK 135835	B	19770704	DK 1970-4033	19700805
	DK 128414	B	19740429	DK 1971-6314	19711223
	US 3829474	A	19740813	US 1972-285366	19720831
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	US 1970-60729	A3	19700803		

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FULL ESTIMATED COST	8.38	206.47

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CA SUBSCRIBER PRICE	0.00	-1.60

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:16:24 ON 10 DEC 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:22:29 ON 10 DEC 2008
FILE 'CAPLUS' ENTERED AT 08:22:29 ON 10 DEC 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.38	206.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.60

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.38	206.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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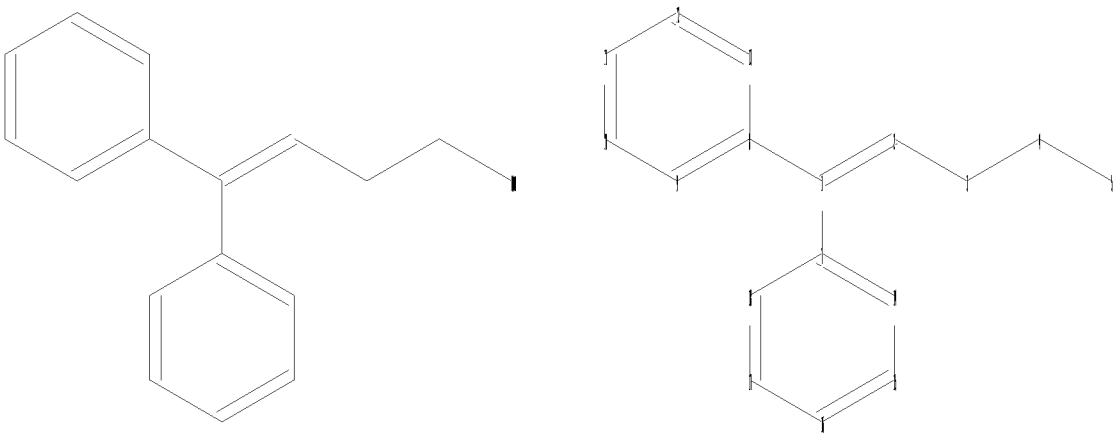

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ring nodes :
7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-2 1-7 1-8 2-3 3-4 4-5
ring bonds :
7-14 7-18 8-9 8-13 9-10 10-11 11-12 12-13 14-15 15-16 16-17 17-18
exact bonds :
1-2 1-7 1-8 2-3 3-4 4-5
normalized bonds :
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4:>= minimum 1
Match level :
1:Atom 2:Atom 3:CLASS 4:CLASS 5:CLASS 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
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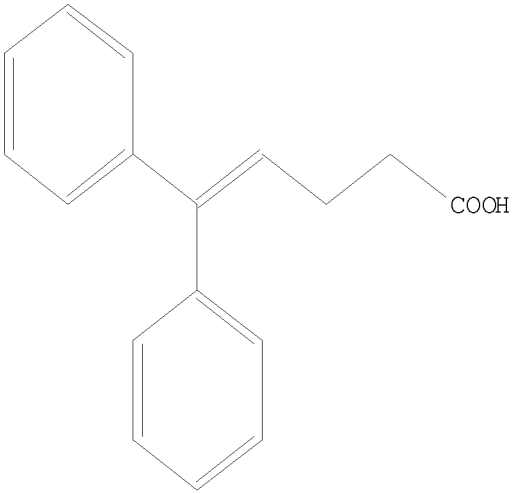

Structure attributes must be viewed using STN Express query preparation.

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FULL SCREEN SEARCH COMPLETED -        2 TO ITERATE

100.0% PROCESSED        2 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L9            1 SEA EXA FUL L8

=> d scan

L9   1 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   4-Pentenoic acid, 5,5-diphenyl-
MF   C17 H16 O2


Ph2C==CH-CH2-CH2-CO2H


**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


ALL ANSWERS HAVE BEEN SCANNED


=> d l9

L9   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   5747-00-2  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   4-Pentenoic acid, 5,5-diphenyl-  (CA INDEX NAME)
OTHER NAMES:
CN   5,5-Diphenyl-4-pentenoic acid
MF   C17 H16 O2
LC   STN Files:   BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)
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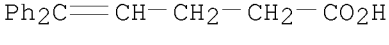

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	62.77	269.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.60

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FILE COVERS 1907 - 10 Dec 2008 VOL 149 ISS 24
FILE LAST UPDATED: 9 Dec 2008 (20081209/ED)

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=> l9
L10 13 L9

=> l9/thu
13 L9
1076144 THU/RL
L11 0 L9/THU
(L9 (L) THU/RL)

=> d l10 1-13 ti

L10 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Rate Constants for Anilidyl Radical Cyclization Reactions

L10 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of dipeptides and proteasome inhibitors

L10 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Absolute Kinetics of Amidyl Radical Reactions

L10 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation and formulation of heterocyclic compounds as cell adhesion inhibitors

L10 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of heterocyclic (especially pyridine) compounds useful in treating diseases characterized by excess platelet activating factor (PAF)

L10 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Pentadienyl carboxamide derivatives as antagonists of platelet activating factor

L10 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Heterocyclic alkenamides and derivatives, particularly (pyridinylalkyl)alkenamides, useful as antagonists of platelet activating factor, and their preparation, compositions, and use

L10 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Lactones. XX. Grignardation followed by phase-transfer oxidation: a convenient synthesis of δ,δ-disubstituted δ-lactones from δ-valerolactone

L10 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Friedel-Crafts reaction of glutaric anhydride with benzene and toluene

L10 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Small-ring compounds. XLV. Influence of vinyl and phenyl substituents on the interconversion of allylcarbinyl-type Gri-gnard reagents

L10 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Reactions of organomagnesiums with unsaturated α,β-carbonyl compounds

L10 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Reaction between sodium acetylide and Grignard reagent

L10 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Oxidation of diphenylmethylenecyclobutane

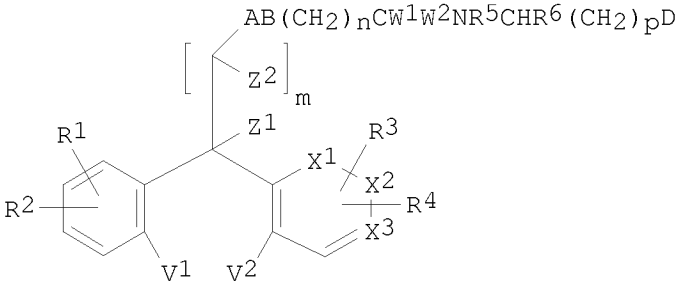
=> d l10 4-10 ti fbib abs

L10 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation and formulation of heterocyclic compounds as cell adhesion inhibitors
AN 1997:371646 CAPLUS
DN 127:17675
OREF 127:3573a,3576a
TI Preparation and formulation of heterocyclic compounds as cell adhesion inhibitors
IN Sasho, Setsuya; Harakawa, Hiroyuki; Kamisaka, Noriaki; Miki, Ichiro; Kuno, Yukako; Kumazawa, Toshiaki; Sekine, Shin
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 53 pp.
CODEN: JKXXAF
DT Patent

LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09087237	A	19970331	JP 1995-242792	19950921
				JP 1995-242792	19950921

OS MARPAT 127:17675
GI



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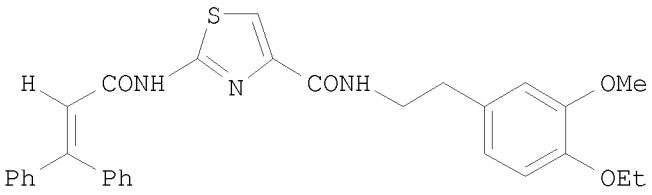

II

AB The title compds. I [R1 - R4 = H, alkyl, alkoxy, etc.; R5 = H, alkyl, etc.; R6 = H, alkyl, carboxy; X1X2X3 = CH:CHCH, etc.; Z1 = Z2 = H; or Z1Z2 = bond; V1 = V2 = H; or V1V2 = SO2NMe, etc.; W1 = W2 = H; or W1W2 = O; m, n, p = 0 or 1; A = CONR9, etc.; B heterocyclic moiety (generic structure given), etc.; D = (un)substituted aryl, etc.; R9 = H, alkyl] are prepared I are useful as inflammation inhibitors (no data). The title compound II in vitro showed IC50 of 0.074 μM against the adhesion of HL60 cells to human umbilical vein endothelial cells.

L10 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of heterocyclic (especially pyridine) compounds useful in treating diseases characterized by excess platelet activating factor (PAF)
AN 1990:631218 CAPLUS
DN 113:231218
OREF 113:39012h,39013a
TI Preparation of heterocyclic (especially pyridine) compounds useful in treating diseases characterized by excess platelet activating factor (PAF)
IN Guthrie, Robert W.; Kierstead, Richard W.; Mullin, John G.; Tilley, Jefferson W.
PA Hoffmann-La Roche, Inc., USA
SO U.S., 50 pp. Cont.-in-part of U.S. Ser. No. 179,616, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4927838	A	19900522	US 1988-215464	19880705
				US 1987-72199 B2	19870710
				US 1988-179616 B2	19880411
	ZA 8804859	A	19890426	ZA 1988-4859	19880706

				US 1987-72199	A	19870710
	IL 87019	A	19930708	IL 1988-87019		19880706
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	DK 8803780	A	19890111	DK 1988-3780		19880707
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	AU 8818825	A	19890112	AU 1988-18825		19880707
	AU 611460	B2	19910613			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	FI 8803289	A	19890111	FI 1988-3289		19880708
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	NO 8803082	A	19890111	NO 1988-3082		19880708
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	HU 47909	A2	19890428	HU 1988-3583		19880708
	HU 203873	B	19911028			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	JP 01085963	A	19890330	JP 1988-171719		19880710
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411

PATENT FAMILY INFORMATION:

FAN 1989:573987

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	EP 298466	A2	19890111	EP 1988-110814		19880706
	EP 298466	A3	19901024			
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE					
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	ZA 8804859	A	19890426	ZA 1988-4859		19880706
				US 1987-72199	A	19870710
	IL 87019	A	19930708	IL 1988-87019		19880706
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	DK 8803780	A	19890111	DK 1988-3780		19880707
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	AU 8818825	A	19890112	AU 1988-18825		19880707
	AU 611460	B2	19910613			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	FI 8803289	A	19890111	FI 1988-3289		19880708
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				US 1988-179616	A	19880411
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				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	HU 47909	A2	19890428	HU 1988-3583		19880708
	HU 203873	B	19911028			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	JP 01085963	A	19890330	JP 1988-171719		19880710
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411

OS CASREACT 113:231218; MARPAT 113:231218

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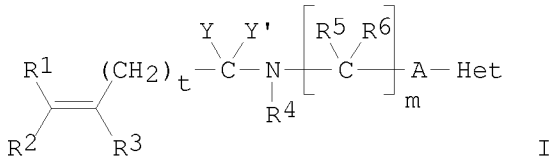

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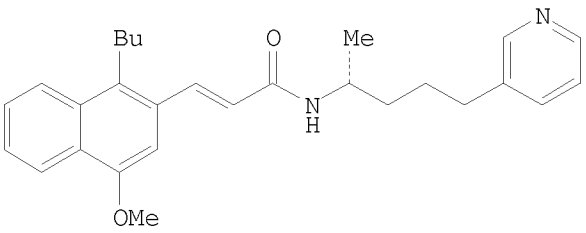

II

AB Title compds. I [Y = Y' = H; or YY' = O, S; A = p-C6H4 or (CH2)nXs(CH2)r; X = O, S, CH:CH, n, r = 0-3; m, s = 0-1; (n + m) ≥ 2 when s = 1; t = 0-10; R1, R2 = alkyl, alkenyl, aryl; or 1 of R1 and R2 = H and the other is substituted (dihydro)naphthyl, indenyl, benzofuryl, benzothienyl, indolyl; R3 = H, alkyl, aryl; R4 = H, alkyl, aryl, acyl; R5 = H, alkyl; R6 = H, alkyl, cycloalkyl, heterocyclylalkyl, aryl; Met = (substituted) 6-membered heteroaryl containing 1-2 N atoms] were prepared For example, 1-butyl-4-methoxy-2-naphthalenecarboxaldehyde underwent Wittig reaction with Ph3P:CHCO2Me, followed by hydrolysis, reesterification with 4-nitrophenol, and amidation with (R)-α-methyl-3-pyridinebutanamine, to give (naphthalenyl)(pyridinylbutyl)propenamine derivative II. At 1 mg/kg i.v. in anesthetized guinea pig, II gave 90% inhibition of PAF-induced bronchoconstriction. Seven formulations, prepns. of approx. 30 I and over 150 precursors, and addnl. biol. data are given.

L10 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Pentadienyl carboxamide derivatives as antagonists of platelet activating factor
AN 1989:632526 CAPLUS
DN 111:232526
OREF 111:38621a,38624a
TI Pentadienyl carboxamide derivatives as antagonists of platelet activating factor
AU Guthrie, Robert W.; Kaplan, Gerald L.; Mennona, Francis A.; Tilley, Jefferson W.; Kierstead, Richard W.; Mullin, John G.; LeMahieu, Ronald A.; Zawoiski, Sonja; O'Donnell, Margaret; et al.
CS Roche Res. Cent., Hoffmann La Roche Inc., Nutley, NJ, 07110, USA
SO Journal of Medicinal Chemistry (1989), 32(8), 1820-35
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 111:232526
AB A series of N-[4-(3-pyridinyl)butyl]-5,5-disubstituted-pentadienamides were prepared by acylation of appropriate amines with diphenylalkenoic acids and evaluated for platelet activating factor (PAF) antagonist activity. Compds. were assayed in vitro in a PAF-binding assay employing washed, whole dog platelets as the receptor source and in vivo after i.v. or oral administration for their ability to prevent PAF-induced bronchoconstriction in guinea pigs. Criteria required for good oral activity in the latter model include: an (E,E)-5-phenyl-2,4-pentadienamide, a second Ph or a four- or five-carbon alkyl moiety in the 5-position of the diene, and an

(R)-[1-alkyl-4-(3-pyridinyl)butyl] substituent on the carboxamide nitrogen atom. The alkyl substituent on this side chain can be Me, Et, or cyclopropyl. Two members of this series, [R-(E)]-5,5-bis(4-methoxyphenyl)-N-[1-methyl-4-(3-pyridinyl)butyl]-2,4-pentadienamide (I) and [R-(E,E)]-5-(4-methoxyphenyl)-N-[1-methyl-4-(3-pyridinyl)butyl]-2,4-decadienamide (II) were selected for further pharmacol. evaluation. Both were found to be substantially longer acting after oral administration than the corresponding S enantiomers in the guinea pig bronchoconstriction assay. A second in vivo model used to evaluate PAF antagonists dets. the ability of test compds. to decrease the area of skin wheals induced by an intradermal injection of PAF. In this model, using both rats and guinea pigs, compds. I and II were as active as the reference PAF antagonist 3-[4-(2-chlorophenyl)-9-methyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-2-yl]-1-(4-morpholinyl)-1-propanone.

L10 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Heterocyclic alkenamides and derivatives, particularly (pyridinylalkyl)alkenamides, useful as antagonists of platelet activating factor, and their preparation, compositions, and use
AN 1989:573987 CAPLUS
DN 111:173987
OREF 111:28983a,28986a
TI Heterocyclic alkenamides and derivatives, particularly (pyridinylalkyl)alkenamides, useful as antagonists of platelet activating factor, and their preparation, compositions, and use
IN Guthrie, Robert William; Kierstead, Richard Wightman; Mullin, John Guilfoyle, Jr.; Tilley, Jefferson Wright
PA Hoffmann-La Roche, F., und Co. A.-G., Switz.
SO Eur. Pat. Appl., 72 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 298466	A2	19890111	EP 1988-110814	19880706
EP 298466	A3	19901024		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
ZA 8804859	A	19890426	ZA 1988-4859	19880706
			US 1987-72199 A	19870710
IL 87019	A	19930708	IL 1988-87019	19880706
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
DK 8803780	A	19890111	DK 1988-3780	19880707
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
AU 8818825	A	19890112	AU 1988-18825	19880707
AU 611460	B2	19910613		
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
FI 8803289	A	19890111	FI 1988-3289	19880708
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
NO 8803082	A	19890111	NO 1988-3082	19880708
			US 1987-72199 A	19870710
			US 1988-179616 A	19880411
HU 47909	A2	19890428	HU 1988-3583	19880708
HU 203873	B	19911028		
			US 1987-72199 A	19870710

				US 1988-179616	A	19880411
	JP 01085963	A	19890330	JP 1988-171719		19880710
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411

PATENT FAMILY INFORMATION:

FAN 1990:631218

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 4927838	A	19900522	US 1988-215464		19880705
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				US 1988-179616	B2	19880411
	ZA 8804859	A	19890426	ZA 1988-4859		19880706
				US 1987-72199	A	19870710
	IL 87019	A	19930708	IL 1988-87019		19880706
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	DK 8803780	A	19890111	DK 1988-3780		19880707
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	AU 8818825	A	19890112	AU 1988-18825		19880707
	AU 611460	B2	19910613			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	FI 8803289	A	19890111	FI 1988-3289		19880708
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	NO 8803082	A	19890111	NO 1988-3082		19880708
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	HU 47909	A2	19890428	HU 1988-3583		19880708
	HU 203873	B	19911028			
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411
	JP 01085963	A	19890330	JP 1988-171719		19880710
				US 1987-72199	A	19870710
				US 1988-179616	A	19880411

OS MARPAT 111:173987

AB Title compds. R1R2C:CR3(CH2)tCYY1NR4(CR5R6)mAR [I; Y = Y' = H, or YY' = O, S; A = p-C6H4, (CH2)n(X)s(CH2)r; X = O, S, CH:CH; n, r = 1; t = 0-10; R1, R2 = alkyl, alkenyl, aryl; or 1 of R1 and R2 = H and other = aryl group Q; W = CX3:CX4, CH2CH2, CH2, O, S, NX5; X1 = alkyl, (un)substituted Ph; X2-X4 = H, alkyl, alkoxy, halo; X5 = alkyl; R3 = H, alkyl, aryl; R4 = H, alkyl, aralkyl, aryl, acyl; R5 = H, alkyl; R6 = H, alkyl, cycloalkyl, aryl, heterocyclylalkyl; R = (un)substituted 6-membered heteroaryl with 1-2 N atoms] are prepared as antagonists of platelet activating factor (PAF). 6-Methoxytetralone was converted in 5 steps to (E)-3-(1-butyl-6-methoxy-2-naphthalenyl)-2-propenoic acid (II) Me ester. Saponification by NaOH in aqueous MeOH gave II, which was reesterified using DCC and 4-nitrophenol to give II 4-nitrophenyl ester. Direct amidation of the latter with (R)-α-methyl-3-pyridinebutanamine in THF gave N-(pyridylbutyl)naphthylpropenamide III. At 1 mg/kg i.v. in anesthetized guinea pigs, III gave 95% inhibition of PAF-induced bronchoconstriction. An aerosol solution contained III 1.0, EtOH 30.0, ascorbic acid 0.5, Freon 12 54.8, and Freon 114 13.7 weight %.

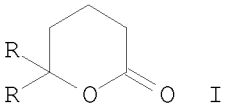
L10 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN

TI Lactones. XX. Grignardation followed by phase-transfer oxidation: a convenient synthesis of δ,δ-disubstituted δ-lactones from δ-valerolactone

AN 1988:549288 CAPLUS

DN 109:149288

OREF 109:24823a,24826a
TI Lactones. XX. Grignardation followed by phase-transfer oxidation: a convenient synthesis of δ,δ-disubstituted δ-lactones from δ-valerolactone
AU Lehmann, Jochen; Marquardt, Norbert
CS Inst. Pharm. Chem., Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.
SO Liebigs Annalen der Chemie (1988), (9), 827-31
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German
OS CASREACT 109:149288
GI



I

AB Grignard reactions of δ-valerolactone, followed by phase-transfer oxidation gave the lactones I (R = Me, Et, Pr, pentyl, hexyl, Ph, 4-ClC6H4, 4-FC6H4) in 27-61% yield. Intermediates and byproducts were identified in the preparation of I (R = Ph).

L10 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Friedel-Crafts reaction of glutaric anhydride with benzene and toluene
AN 1969:403100 CAPLUS
DN 71:3100
OREF 71:561a,564a
TI Friedel-Crafts reaction of glutaric anhydride with benzene and toluene
AU Hopff, Heinrich; Osman, Maged A.
CS Swiss Fed. Inst. Technol., Zurich, Switz.
SO Journal fuer Praktische Chemie (Leipzig) (1969), 311(2), 266-70
CODEN: JPCEAO; ISSN: 0021-8383
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB Glutaric anhydride (I) was treated with C6H6 under the conditions described in Organic Syntheses (1943) to give 2.6% H2C(CH2Bz)2, 28.4% Bz(CH2)3CO2H, and 5.3% of a compound that was identified as Ph2C:CH(CH2)2CO2H. The N.M.R. spectra of CH2(CH2Bz)2 and Ph2C:CH(CH2)2CO2H are reported. The reaction between I and PhMe at <10° for 60-90 min. and room temperature for 15 hrs. gave 80% 3-(p-methylbenzoyl)butyric acid without any by-products.

L10 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2008 ACS on STN
TI Small-ring compounds. XLV. Influence of vinyl and phenyl substituents on the interconversion of allylcarbinyl-type Gri-gnard reagents
AN 1966:93554 CAPLUS
DN 64:93554
OREF 64:17623d-e
TI Small-ring compounds. XLV. Influence of vinyl and phenyl substituents on the interconversion of allylcarbinyl-type Gri-gnard reagents
AU Howden, Merlin E. H.; Maercker, Adalbert; Burdon, James; Roberts, John D.
CS California Inst. of Technol., Pasadena
SO Journal of the American Chemical Society (1966), 88(8), 1732-42
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
OS CASREACT 64:93554

AB cf. CA 64, 3580h. Equilibration of the α and β positions in γ,γ-diphenylallylcarbinylmagnesium bromide was complete after 5 hrs. at room temperature Less than 0.3% of the isomeric cyclopropylcarbinyl derivative, however, is in equilibrium with the ring-opened species. While reactions of the Grignard reagents normally expected to have anionic-type mechanisms were found to lead to allylcarbiny products only, substantial amounts of cyclic products were formed with mol. O.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.51	316.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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